DEEP RABADIYA

+91-9510108275

in https://www.linkedin.com/in/deep-rabadiya-998816215   Portfolio   ✉ mailto: deepp6603@gmail.com

EDUCATION

M.Sc. Agriculture Analytics (CPI: 8.71/10.00)
Dhirubhai Ambani Institute of Information & Communication Technology (DAIICT) & IIRS-ISRO & AAU

B.Sc.(Hons) Agriculture (CPI: 7 . 8 /10.00)
Junagadh Agricultural University (JAU)

SKILLS

Area(s) of Interest | Geo-spatial Analysis , Remote Sensing and GIS, Machine Learning
Programming Languages | Python, SQL, R
Tools and Technologies | ArcGIS, QGIS, ERDAS IMAGINE, Envi, Google Earth Engine, PostgreSQL, Power BI,
Advance Excel, SciKit-Learn, Ms-Office

EXPERIENCE

- **Centre of Excellence For Protected Cultivation and Precision Farming on Vegetables | Aug 2022**
  The centre comes under Indo-Israel Agriculture Cooperation Project, which provides new technologies and opportunities to varios genres. I learned about various methods of precision farming imported from Israel and got hands-on opportunities on various types of equipment like Hozelock Classic Micro Irrigator, Plug-trays, Ventures, High-tech nurseries etc.
- **Machine Learning Intern (remote)|** (Coding Samurai) | **March 2024 – April 2024**
- **Machine Learning Intern (remote)|** (Mentorness) | **March 2024**

PROJECTS

- **Land Cover Change Detection (Deforestation) |** Python, Machine Learning, ArcGIS, Qgis, Rasterio Library **| Dr. Ranendu Ghosh**
- **Crop Yield Estimation and Crop Area Acreage Calculation |** Erdas Imagine, ArcGIS, Google Earth Engine **| Amnex**
- **Soil erosion/salinity estimation from satellite using advanced statistical learning |** Python, Machine Learning, ArcGIS **| Justin George & Prabahakar Alok Verma**
- **NPK Detection and Inventory Management System |** Python **| Dr. Amit Mankodi**
- **Soil Moisture Prediction |** Machine Learning **| Dr. Kamal Panday**
- **Crop Recommendation System |** PostgresML, Various ML Algorithms, VS Code, Streamlit **| Mr. Kapil Oberai**

CERTIFICATIONS

Microwave Data Processing and Applications by **Space Application Centre, ISRO**
Spatial Analysis with ArcGIS Pro by **ESRI, India**
Application of Advanced Geospatial Technologies in Agriculture with special reference to Crop Yield Modelling and Agromet Parameter Retrieval by **Amnex Infotechnologies**
Application of Geoinformatics in Ecological Studies by **IIRS, ISRO**
Advance Excel, Power BI and Tableau by **The Pioneer Tech**

POSITIONS OF RESPONSIBILITY

National Service Scheme (NSS) | Feb 2020
During NSS, I actively participated in initiatives such as cleanliness drives, awareness campaigns, and educational programs as well as organizing a health camp in a rural village.

INTEREST

Palying Badminton
Playing kho-kho
Travelling